Amendments to the Claims

This listing of claims will replace all prior versions and listings of the claims:

1. (currently amended) A secure document, comprising:

a pliable fabric comprising human-readable information;

a memory attached to the pliable fabric in which machine-readable information about the secure document is stored; and

an interface attached to the pliable fabric and coupled to the memory that, when a reader device reads the secure document, transmits at least a portion of the machine-readable information stored in the memory to the reader device, wherein the machine-readable information includes data of plural transactions in which the secure document was previously used.

2. (original) The secure document of claim 1, wherein the secure document is secure currency.

3. (original) The secure document of claim 2, wherein the pliable fabric comprises artwork that includes the human-readable information.

4. (original) The secure document of claim 3, wherein the artwork comprises a bar code.

5. (original) The secure document of claim 4, wherein the bar code comprises a watermark.

6. (original) The secure document of claim 4, wherein the bar code is printed using magnetic ink.

7. (original) The secure document of claim 1, wherein the pliable fabric comprises at least one of cloth, paper, and laminate.

8. (currently amended) The secure document of claim 1, ~~wherein the security module~~ further comprising ~~comprises~~ a sensor, wherein when the secure document is read by the ~~a~~ reader device, information generated by the sensor is supplied to the reader device.

9. (original) The secure document of claim 8, wherein the sensor detects a chemical signature.

10. (currently amended) A currency, comprising:

a pliable fabric comprising human-readable currency information; and

a security module comprising:

a memory attached to the pliable fabric in which machine-readable currency information and authentication information are ~~is~~ stored; and

a radio frequency interface attached to the pliable fabric and coupled to the memory; and

wherein the authentication information indicates whether a radio frequency reader device is authorized to communicate with the currency so data can be read from and written to the memory ~~radio frequency interface transmits at least a portion of the machine-readable currency information to a radio frequency reader device when the radio frequency interface receives a radio frequency field radiated by the radio frequency reader device~~.

11. (original) The currency of claim 10, wherein the human-readable currency information comprises at least one of a human-readable identifier and a human-readable denomination.

12. (original) The currency of claim 10, wherein the machine-readable currency information comprises at least one of a machine-readable identifier and a machine-readable denomination.

13. (original) The currency of claim 10, wherein the radio frequency interface comprises a power extraction circuit that extracts power from the radio frequency field, wherein the extracted power powers the security module.

14. (original) The currency of claim 10, wherein the radio frequency interface comprises a transmit circuit that transmits the at least a portion of the machine-readable currency information to the radio frequency reader device when the radio frequency interface receives the radio frequency field radiated by the radio frequency reader device.

15. (original) The currency of claim 10, wherein the radio frequency interface comprises a receive circuit that extracts information encoded in the radio frequency field radiated by the radio frequency reader device.

16. (currently amended) The currency of claim 10, wherein the memory stores information indicating whether the currency previously communicated with a radio frequency reader device ~~authorization information is stored in the memory~~.

17. (original) The currency of claim 10, further comprising an integrity meter that determines the integrity of a connection between the security module and the pliable fabric.

18. (original) The currency of claim 17, wherein the integrity meter is coupled to a current source and comprises a resistive element in parallel with the current source and a conductive loop in parallel with the current source, wherein the conductive loop comprises a plurality of hooks that attach the security module to the pliable fabric.

19. (original) A currency, comprising:

a fabric; and

a security module attached to the fabric, wherein the security module comprises a memory in which information about the currency is stored and an ink reservoir in which ink is stored; and

wherein when the security module receives a predetermined command, the security module releases the ink stored in the ink reservoir in order to mark the fabric.

20. (original) The currency of claim 19, wherein the security module further comprises a duct coupled to the ink reservoir and the fabric.

21. (original) The currency of claim 20, wherein the security module further comprises a heating element and wherein the security module releases the ink by causing the heating element to heat the duct when the currency receives the predetermined command.

22. – 52. (canceled)

53. (new) A currency, comprising:

a pliable fabric having human-readable currency information;

a memory;

an interface for communicating with a reader device; and

a security module that authenticates the reader device in order to authorize data to be written to and read from the memory.

54. (new) The currency of claim 53, wherein the security module allows the reader device access to the memory if authentication of the reader device is successful and denies access to the memory if authentication of the reader device is not successful.

55. (new) The currency of claim 53, wherein the security module authenticates the reader device before write operations to the memory are performed.

56. (new) The currency of claim 53, wherein the security module detects whether the currency is compromised due to tampering or wear.

57. (new) The currency of claim 53, wherein the memory stores information regarding whether the memory was previously accessed from a reader device.

58. (new) The currency of claim 53, wherein the memory stores information regarding whether the currency was previously tampered with.

59. (new) The currency of claim 53 further comprising a sensor, and wherein the memory stores information generated by the sensor.

60. (new) The currency of claim 53, wherein the memory stores data of plural transactions in which the currency was previously used.

61. (new) The currency of claim 53, wherein the memory stores authentication data indicating whether the reader device is authorized to communicate with the currency.

62. (new) The currency of claim 53, further comprising a decoder implemented as a finite state machine.